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APPLICATION NO.	· FIL	ING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/686,072	10/11/2000		David R. Welland	75622.P0016	5508
30163	7590	12/21/2001			
JOHNSON	& ASSO	CIATES	EXAMINER		
PO BOX 906 AUSTIN, TX		698	LE, DINH THANH		
				ART UNIT	PAPER NUMBER
				2816	
			DATE MAILED: 12/21/2001		

Please find below and/or attached an Office communication concerning this application or proceeding.

	12° 1			·					
		Application No.		pplicant(s)	•				
Office Action Summary		09/686,072	<i>></i> *\	WELLAND ET AL.					
		Examiner		Art Unit					
,		DINH T. LE		2816					
Period fo	Th MAILING DATE of this communication ap r Reply	pears on the cover	sheet with the c	orrespondence addr	ess				
THE I - External after - If NO - Failu - Any r	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. Issions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a repperiod for reply is specified above, the maximum statutory period re to reply within the set or extended period for reply will, by statute eply received by the Office later than three months after the mailing dipatent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, howe ly within the statutory min will apply and will expire a, cause the application to	over, may a reply be tim imum of thirty (30) days SIX (6) MONTHS from to become ABANDONEI	nely filed s will be considered timely. the mailing date of this com O (35 U.S.C. § 133).	munication.				
1)	Responsive to communication(s) filed on	·							
2a) ☐	This action is FINAL. 2b)⊠ Th	nis action is non-fi	nal.						
3)□	Since this application is in condition for allow closed in accordance with the practice under	ance except for for Ex parte Quayle,	ormal matters, pr 1935 C.D. 11, 4	rosecution as to the 53 O.G. 213.	merits is				
Dispositi	on of Claims								
4) 🖂	Claim(s) 1-60 is/are pending in the application	n.							
•	4a) Of the above claim(s) is/are withdra		ation.						
	Claim(s) is/are allowed.								
	Claim(s) is/are rejected.								
7)	Claim(s) is/are objected to.		•						
8)⊠	Claim(s) 1-60 are subject to restriction and/or	election requirem	ent.						
Applicati	on Papers								
	The specification is objected to by the Examine	er.							
10)	10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.								
	Applicant may not request that any objection to the	ne drawing(s) be he	d in abeyance. So	ee 37 CFR 1.85(a).					
11) ☐ The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.									
If approved, corrected drawings are required in reply to this Office action.									
12)☐ The oath or declaration is objected to by the Examiner.									
Priority (ınder 35 U.S.C. §§ 119 and 120								
13)□	Acknowledgment is made of a claim for foreig	n priority under 3	5 U.S.C. § 119(a)-(d) or (f).					
a)	☐ All b)☐ Some * c)☐ None of:								
	1. Certified copies of the priority documen	ts have been rece	ived.						
	2. Certified copies of the priority documen	ts have been rece	ived in Applicati	on No					
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 									
14) 🗌 A	acknowledgment is made of a claim for domest	tic priority under 3	5 U.S.C. § 119(e	e) (to a provisional a	pplication).				
 a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. 									
Attachment(s)									
1)	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	4) 5) 6)		/ (PTO-413) Paper No(s) Patent Application (PTO-					
U.S. Patent and T				n	N- O				



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RESTRICTION

Restriction to one of the following inventions is required under 35 U.S.C. § 121:

- I. Claim 1-11, 30-33, 41-44 and 52-60, drawn to a PLL circuit, classified in class 327, subclass 156.
- II. Claims 12-29 and 34-40, drawn to a circuit for reducing interferences, classified in Class 327, subclass 551.
- III. Claims 45-51, drawn to a filter circuit, classified in Class 327, subclass 552.

Inventions I, II and III are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions the invention I relates to the phase locked loop circuit while the inventions II relates to the circuit for reducing interferences and the invention III relates to a filter circuit

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

CONCLUSION

The applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed.



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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Dinh Le whose telephone number is (703) 305-3790. The examiner can normally be reached on Monday to Friday from 7:00 A.M.to 5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan, can be reached on (703) 308-4876. The fax phone number for this Group is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

DINH LE

Primary Examiner

ahelle

December 17, 2001